

# Joel Johnson

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

141  
papers

4,289  
citations

26  
h-index

63  
g-index

177  
ext. papers

5,475  
ext. citations

5.2  
avg, IF

5.4  
L-index

#	Paper	IF	Citations
141	Multi-task tracking and classification with an adaptive radar. <i>IET Radar, Sonar and Navigation</i> , <b>2022</b> , 16, 692-703	1.4	0
140	Studies of Sea-Ice Thickness and Salinity Retrieval Using 0.5-2 GHz Microwave Radiometry. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2022</b> , 1-1	8.1	0
139	Significant Wave Height and Bistatic Doppler Signals of Microwave Scattering From the Ocean Surface: With Emphasis on the Swell Factor. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2021</b> , 1-12	8.1	1
138	Evaluation of Surface Melt on the Greenland Ice Sheet Using SMAP L-Band Microwave Radiometry. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2021</b> , 1-1	4.7	3
137	Mapping the Dynamics of the South Asian Monsoon Using CYGNSS's Level-1 Signal Coherency. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2021</b> , 14, 1111-1119	4.7	2
136	An Algorithm for Detecting Coherence in Cyclone Global Navigation Satellite System Mission Level-1 Delay-Doppler Maps. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2021</b> , 59, 4454-4463	8.1	20
135	Electromagnetic Scattering and Emission From Large Rough Surfaces With Multiple Elevations Using the MLSD-SMCG Method. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2021</b> , 59, 5393-5406	8.1	3
134	Properties of the RFI Environment at 1400-1427 MHz as Observed by the Soil Moisture Active/Passive Mission Microwave Radiometer. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2021</b> , 14, 7259-7267	4.7	2
133	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2021</b> , 1-1	3.7	0
132	. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2021</b> , 1-5	4.1	
131	Soil Moisture Retrievals Using CYGNSS Data in a Time-Series Ratio Method: Progress Update and Error Analysis. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2021</b> , 1-5	4.1	1
130	500-2000-MHz Airborne Brightness Temperature Measurements Over the East Antarctic Plateau. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2021</b> , 1-5	4.1	3
129	Properties of the 500-2000-MHz RFI Environment Observed in High-Latitude Airborne Radiometer Measurements. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2021</b> , 1-11	8.1	1
128	Microwave Radiometry at Frequencies From 500 to 1400 MHz: An Emerging Technology for Earth Observations. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2021</b> , 14, 4894-4914	4.7	6
127	A Simulation Study of Significant Wave Height Retrieval From Bistatic Scattering of Signals of Opportunity. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2021</b> , 1-5	4.1	0
126	Diurnal Variations in Ocean Wind Speeds Measured by CYGNSS and Other Satellites. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2021</b> , 1-5	4.1	2
125	Inland Water Body Mapping Using CYGNSS Coherence Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2021</b> , 59, 7385-7394	8.1	13

124	Sentinel-1 soil moisture at 1km resolution: a validation study. <i>Remote Sensing of Environment</i> , <b>2021</b> , 263, 112554	13.2	9
123	A Partially Coherent Approach for Modeling Polar Ice Sheet 0.52-GHz Thermal Emission. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2021</b> , 59, 8062-8072	8.1	2
122	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2021</b> , 1-12	8.1	9
121	Matched Filter Cyclone Maximum Wind Retrievals Using CYGNSS: Progress Update and Error Analysis. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2021</b> , 14, 3594-3601	4.7	14
120	Studies of a Rapid Change Detector Using CYGNSS Level-2 Wind Speed Products. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2021</b> , 14, 7931-7937	4.7	1
119	Measurements of 540-1740 MHz Brightness Temperatures of Sea Ice During the Winter of the MOSAiC Campaign. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2021</b> , 1-11	8.1	2
118	Geolocation, Calibration and Surface Resolution of CYGNSS GNSS-R Land Observations. <i>Remote Sensing</i> , <b>2020</b> , 12, 1317	5	25
117	Real-Time Detection and Filtering of Radio Frequency Interference Onboard a Spaceborne Microwave Radiometer: The CubeRR Mission. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2020</b> , 13, 1610-1624	4.7	6
116	Brief communication: Mapping Greenland's perennial firn aquifers using enhanced-resolution L-band brightness temperature image time series. <i>Cryosphere</i> , <b>2020</b> , 14, 2809-2817	5.5	11
115	Track-Based Cyclone Maximum Wind Retrievals Using the Cyclone Global Navigation Satellite System (CYGNSS) Mission Full DDMs. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2020</b> , 13, 21-29	4.7	8
114	Scattering and Emission of Electromagnetic Waves From Random Layered Media With Random Rough Interfaces: A Partially Coherent Cascading Approach. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 3094-3102	4.9	1
113	Characterizing Background Signals and Noise in Spaceborne GNSS Reflection Ocean Observations. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2020</b> , 17, 587-591	4.1	5
112	On the Estimation of Wind Speed Diurnal Cycles Using Simulated Measurements of CYGNSS and ASCAT. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2019</b> , 16, 168-172	4.1	6
111	Time-Series Retrieval of Soil Moisture Using CYGNSS. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2019</b> , 57, 4322-4331	8.1	79
110	Development of an On-Board Wide-Band Processor for Radio Frequency Interference Detection and Filtering. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2019</b> , 57, 3191-3203	8.1	7
109	6 GHz to 40 GHz CubeSat Radiometer Antenna System. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 3410-3415	4.9	3
108	Using Rapid Revisit CYGNSS Wind Speed Measurements to Detect Convective Activity. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2019</b> , 12, 98-106	4.7	9
107	Remote Sensing of Sea Ice Thickness and Salinity With 0.52 GHz Microwave Radiometry. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2019</b> , 57, 8672-8684	8.1	8

106	On the Coherency of Ocean and Land Surface Specular Scattering for GNSS-R and Signals of Opportunity Systems. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2019</b> , 57, 10426-10436	8.1	32
105	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2019</b> , 55, 2359-2369	3-7	
104	3-D Electromagnetic Scattering From Multilayer Dielectric Media With 2-D Random Rough Interfaces Using $\mathcal{S}T\mathcal{S}$ -Matrix Approach. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 495-503	4-9	12
103	500-1000-MHz Brightness Temperature Spectra of the Northwestern Greenland Ice Sheet. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2018</b> , 56, 1485-1496	8.1	23
102	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 2545-2556	4-9	18
101	Location of Radio-Frequency Interference Sources Using the SMAP L-Band Radiometer. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2018</b> , 56, 6854-6866	8.1	6
100	Foreword to the Special Issue on the 2017 IEEE International Geoscience and Remote Sensing Symposium. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2018</b> , 11, 1755-1757	4-7	
99	<b>2018</b> ,		1
98	Measurements of 0.5-2 GHz Thermal Emission Spectra from the Greenland Ice Sheet, Sea Ice, and Permafrost: Results from September 2017 Campaign <b>2018</b> ,		3
97	Using 0.5-2 GHz Microwave Radiometry to Derive Ocean Salinity <b>2018</b> ,		2
96	GNSS-R Time-Series Soil Moisture Retrievals from Vegetated Surfaces <b>2018</b> ,		2
95	Cryorad: A Low Frequency Wideband Radiometer Mission for the Study of the Cryosphere <b>2018</b> ,		5
94	Fully Adaptive Remote Sensing Observing System Simulation Experiments <b>2018</b> ,		1
93	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2018</b> , 56, 5923-5935	8.1	18
92	A Time-Series Approach to Estimating Soil Moisture From Vegetated Surfaces Using L-Band Radar Backscatter. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2017</b> , 55, 3186-3193	8.1	36
91	A 60 GHz CubeSAT antenna system <b>2017</b> ,		2
90	Microwave Thermal Emission Characteristics of a Two-Layer Medium With Rough Interfaces Using the Second-Order Small Perturbation Method. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2017</b> , 14, 1780-1784	4.1	6
89	On the Amplitude Distributions of Bistatic Scattered Fields From Rough Surfaces. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2017</b> , 55, 6883-6892	8.1	5

88	Spectrum sharing between communications and ATC radar systems. <i>IET Radar, Sonar and Navigation</i> , <b>2017</b> , 11, 994-1001	1.4	15
87	A Study of Wind Direction Effects on Sea Surface Specular Scattering for GNSS-R Applications. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2017</b> , 10, 4677-4685	4.7	8
86	Scattering of electromagnetic waves from 3D multilayer random rough surfaces based on the second-order small perturbation method: energy conservation, reflectivity, and emissivity. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2017</b> , 34, 395-409	1.8	18
85	The CubeSat Radiometer Radio Frequency Interference Technology Validation (CubeRRT) mission <b>2016</b> ,		8
84	Soil Moisture Active Passive (SMAP) microwave radiometer radio-frequency interference (RFI) mitigation: Algorithm updates and performance assessment <b>2016</b> ,		5
83	Testing the feasibility of a bayesian retrieval of greenland ice sheet internal temperature from ultra-wideband software-defined microwave radiometer (UWBRAD) measurements <b>2016</b> ,		2
82	New Ocean Winds Satellite Mission to Probe Hurricanes and Tropical Convection. <i>Bulletin of the American Meteorological Society</i> , <b>2016</b> , 97, 385-395	6.1	183
81	Studies of TDS-1 GNSS-R ocean altimetry using a full DDM retrieval approach <b>2016</b> ,		2
80	Modeling polarimetric sea surface specular scattering for GNSS-R applications <b>2016</b> ,		2
79	The Ultra-wideband Software-Defined Radiometer (UWBRAD) for ice sheet internal temperature sensing: Results from recent observations <b>2016</b> ,		6
78	Conical log spiral antenna development for the UWBRAD ice sheet internal temperature sensing <b>2016</b> ,		2
77	A study of the electromagnetic bias for GNSS-R ocean altimetry using the choppy wave model. <i>Waves in Random and Complex Media</i> , <b>2016</b> , 26, 599-612	1.9	3
76	Detection of Inland Open Water Surfaces Using Dual Polarization L-Band Radar for the Soil Moisture Active Passive Mission. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2016</b> , 54, 3388-3399	8.1	11
75	SMAP L-Band Microwave Radiometer: RFI Mitigation Prelaunch Analysis and First Year On-Orbit Observations. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2016</b> , 54, 6035-6047	8.1	49
74	Cognitive radar for target tracking using a software defined radar system <b>2015</b> ,		33
73	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2015</b> , 53, 6308-6314	8.1	7
72	Cognitive Radar Framework for Target Detection and Tracking. <i>IEEE Journal on Selected Topics in Signal Processing</i> , <b>2015</b> , 9, 1427-1439	7.5	115
71	Radiometric Approach for Estimating Relative Changes in Intraglacier Average Temperature. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2015</b> , 53, 134-143	8.1	35

70	Bistatic coherent MIMO clutter rank analysis <b>2015</b> ,		1
69	Experiments with cognitive radar <b>2015</b> ,		11
68	An intercomparison of models for predicting bistatic scattering from rough surfaces <b>2015</b> ,		4
67	Physical Models of Layered Polar Firn Brightness Temperatures From 0.5 to 2 GHz. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2015</b> , 8, 3681-3691	4-7	30
66	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2014</b> , 52, 761-775	8.1	88
65	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2014</b> , 52, 1616-1626	8.1	37
64	On the detection of RFI using the complex signal kurtosis in microwave radiometry <b>2014</b> ,		4
63	Assessing the potential for spectrum sharing between communications and radar systems in the L-band portion of the RF spectrum allocated to radar <b>2014</b> ,		7
62	Fully adaptive radar for target tracking part II: Target detection and track initiation <b>2014</b> ,		18
61	Waveform-diverse MIMO imaging radar target measurements <b>2014</b> ,		3
60	Tests of the SMAP Combined Radar and Radiometer Algorithm Using Airborne Field Campaign Observations and Simulated Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2014</b> , 52, 2018-2028	8.1	117
59	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2014</b> , 50, 1569-1577	3-7	16
58	The monostatic-bistatic equivalence theorem and bistatic radar clutter <b>2014</b> ,		4
57	Fully adaptive radar for target tracking part I: Single target tracking <b>2014</b> ,		25
56	A Simulation Study of Compact Polarimetry for Radar Retrieval of Soil Moisture. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2014</b> , 52, 5966-5973	8.1	13
55	A Study of Sea Surface Range-Resolved Doppler Spectra Using Numerically Simulated Low-Grazing-Angle Backscatter Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2013</b> , 51, 3452-3460	8.1	15
54	Modeling and simulation for multistatic coherent MIMO radar <b>2013</b> ,		9
53	A Comparative Analysis of Low-Level Radio Frequency Interference in SMOS and Aquarius Microwave Radiometer Measurements. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2013</b> , 51, 4983-4992	8.1	15

52	A Study of SMOS RFI Over North America. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2013</b> , 10, 515-519	4.1	18
51	High power coherent-on-receive radar for marine surveillance <b>2013</b> ,		6
50	Measurements and simulations of multi-frequency human radar signatures <b>2012</b> ,		2
49	Soil Moisture Retrieval Using Time-Series Radar Observations Over Bare Surfaces. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2012</b> , 50, 1853-1863	8.1	72
48	A Study of the Fourth-Order Small Perturbation Method for Scattering From Two-Layer Rough Surfaces. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2012</b> , 50, 3374-3382	8.1	33
47	Software defined radar studies of human motion signatures <b>2012</b> ,		8
46	Fully polarimetric scattering from random rough layers under the geometric optics approximation: Geoscience applications. <i>Radio Science</i> , <b>2011</b> , 46, n/a-n/a	1.4	3
45	A Study of Interferometric Phase Statistics and Accuracy for Sea Surface Height Retrievals from Numerically Simulated Low-Grazing-Angle Backscatter Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2011</b> , 49, 4580-4587	8.1	3
44	Studies of radio frequency interference in SMOS observations <b>2011</b> ,		8
43	Joint analysis of radio frequency interference from SMOS measurements and from airborne observations <b>2011</b> ,		3
42	Extension of the geometric optics approximation to the scattering from rough layers <b>2010</b> ,		1
41	Software-defined radar for MIMO and adaptive waveform applications <b>2010</b> ,		12
40	Including Spatial Correlations in the Statistical MIMO Radar Target Model. <i>IEEE Signal Processing Letters</i> , <b>2010</b> , 17, 575-578	3.2	5
39	A Geometrical Optics Model of Three Dimensional Scattering From a Rough Layer With Two Rough Surfaces. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2010</b> , 58, 809-816	4.9	22
38	Performance Study of a Cross-Frequency Detection Algorithm for Pulsed Sinusoidal RFI in Microwave Radiometry. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2010</b> , 48, 2899-2908	8.1	27
37	A Monte Carlo Study of Altimeter Pulse Returns and the Electromagnetic Bias. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2010</b> , 48, 3218-3224	8.1	5
36	The Soil Moisture Active Passive (SMAP) Mission. <i>Proceedings of the IEEE</i> , <b>2010</b> , 98, 704-716	14.3	1845
35	Performance Study of Algorithms for Detecting Pulsed Sinusoidal Interference in Microwave Radiometry. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2009</b> , 47, 628-636	8.1	26

34	A Study of the Shapiro-Wilk Test for the Detection of Pulsed Sinusoidal Radio Frequency Interference. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2009</b> , 47, 1745-1751	8.1	25
33	Through-Wall Sensing With Multifrequency Microwave Radiometry: A Proof-of-Concept Demonstration. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2009</b> , 47, 1281-1288	8.1	8
32	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2009</b> , 47, 3742-3754	8.1	55
31	A Geometrical Optics Model of Three Dimensional Scattering From a Rough Surface Over a Planar Surface. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2009</b> , 57, 546-554	4.9	10
30	Airborne L-band RFI observations in the smapvex08 campaign with the L-band interference suppressing radiometer <b>2009</b> ,		3
29	A Physically-Based Preconditioner for Quasi-Planar Scattering Problems. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2008</b> , 56, 2421-2426	4.9	4
28	A Numerical Method for Studying Modulation Effects in Radar Observations of the Sea Surface. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2008</b> , 46, 3632-3636	8.1	7
27	Compensation of Faraday Rotation in Multi-Polarization Scatterometry <b>2008</b> ,		1
26	A Study of Algorithms for Detecting Pulsed Sinusoidal Interference in Microwave Radiometry <b>2008</b> ,		2
25	Band-Limited Exponential Correlation Function for Rough-Surface Scattering. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2007</b> , 45, 1198-1206	8.1	17
24	Computation of Oceanlike Surface Thermal Emission and Bistatic Scattering With the Reduced Local Curvature Approximation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2007</b> , 45, 2108-2115	8.1	7
23	Computer Simulations of Rough Surface Scattering. <i>Nanostructure Science and Technology</i> , <b>2007</b> , 181-210.	0.9	4
22	Fourth-Order Small-Slope Theory of Sea-Surface Brightness Temperatures. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2007</b> , 45, 175-186	8.1	6
21	On the Geometrical Optics (Hagfors' Law) and Physical Optics Approximations for Scattering From Exponentially Correlated Surfaces. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2007</b> , 45, 2619-2629	8.1	20
20	Foreword to the Special Issue on Subsurface Sensing Using Ground-Penetrating Radar (GPR). <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2007</b> , 45, 2419-2421	8.1	21
19	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2007</b> , 45, 2300-2308	8.1	26
18	Time and Frequency Blanking for Radio-Frequency Interference Mitigation in Microwave Radiometry. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2007</b> , 45, 3672-3679	8.1	62
17	Extension of the local curvature approximation to third order and improved tilt invariance. <i>Waves in Random and Complex Media</i> , <b>2006</b> , 16, 97-119	1.9	9



16	Examination of a simple pulse-blanking technique for radio frequency interference mitigation. <i>Radio Science</i> , <b>2005</b> , 40, n/a-n/a	1.4	37
15	Two families of non-local scattering models and the weighted curvature approximation. <i>Waves in Random and Complex Media</i> , <b>2004</b> , 14, 563-580		8
14	A Comparison of Nonlinear Water Wave Models. <i>International Journal of Computational Fluid Dynamics</i> , <b>2003</b> , 17, 219-224	1.2	1
13	A study of the higher-order small-slope approximation for scattering from a Gaussian rough surface. <i>Waves in Random and Complex Media</i> , <b>2003</b> , 13, 137-149		31
12	A study of microwave thermal emission from a subsurface object. <i>Microwave and Optical Technology Letters</i> , <b>2002</b> , 33, 9-12	1.2	6
11	Some issues related to the novel spectral acceleration method for the fast computation of radiation/scattering from one-dimensional extremely large scale quasi-planar structures. <i>Radio Science</i> , <b>2002</b> , 37, 3-1-3-20	1.4	23
10	The forwardBackward method with a novel spectral acceleration algorithm (FB/NSA) for the computation of scattering from two-dimensional large-scale impedance random rough surfaces. <i>Microwave and Optical Technology Letters</i> , <b>2001</b> , 29, 232-236	1.2	7
9	A study of the four-path model for scattering from an object above a half space. <i>Microwave and Optical Technology Letters</i> , <b>2001</b> , 30, 130-134	1.2	74
8	Radar image studies of an ocean-like surface. <i>Microwave and Optical Technology Letters</i> , <b>2001</b> , 30, 381-384		5
7	Numerical studies of backscattering enhancement of electromagnetic waves from two-dimensional random rough surfaces with the forward-backward/novel spectral acceleration method. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2001</b> , 18, 2518-26	1.8	11
6	Third-order small-perturbation method for scattering from dielectric rough surfaces. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>1999</b> , 16, 2720	1.8	53
5	A novel acceleration algorithm for the computation of scattering from rough surfaces with the forward-backward method. <i>Radio Science</i> , <b>1998</b> , 33, 1277-1287	1.4	124
4	Surface currents induced on a dielectric half-space by a Gaussian beam: An extended validation for point matching method of moment codes. <i>Radio Science</i> , <b>1997</b> , 32, 923-934	1.4	5
3	Numerical simulations and backscattering enhancement of electromagnetic waves from two-dimensional dielectric random rough surfaces with the sparse-matrix canonical grid method. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>1997</b> , 14, 1515	1.8	78
2	Backscattering enhancement of electromagnetic waves from two-dimensional perfectly conducting random rough surfaces: a comparison of Monte Carlo simulations with experimental data. <i>IEEE Transactions on Antennas and Propagation</i> , <b>1996</b> , 44, 748	4.9	78
1	Analysis of ice-sheet temperature profiles from low-frequency airborne remote sensing. <i>Journal of Glaciology</i> , 1-11	3.4	2